

MINUTES  
**TRANSPORTATION ASSET MANAGEMENT COUNCIL  
BRIDGE COMMITTEE MEETING**

April 25, 2019 at 2:00 p.m.  
Aeronautics Building, 2nd Floor, Commission Conference Room  
2700 Port Lansing Road  
Lansing, Michigan

**\*\* Frequently Used Acronyms List attached.**

**Committee Member:**

Christopher Bolt, MAC  
Rebecca Curtis, MDOT – Chair  
Wayne Harrall, KCRC, via Telephone  
Brad Wieferich, MDOT

Keith Cooper, MDOT – Vice-Chair  
Al Halbeisen, OHM Advisors  
Brian Vilmont, Prein & Newhof

**Support Staff:**

Roger Belknap, MDOT, via Telephone  
Cheryl Granger, CSS, via Telephone  
Bill McEntee, CRA, via Telephone  
Gloria Strong, MDOT

Tim Colling, MTU, via Telephone  
Polly Kent, MDOT  
Craig Newell, MDOT

**Members Absent:**

None

**Public Present:**

None

**1. Welcome - Call-To-Order - Introductions:**

The meeting was called-to-order at 2:04 p.m. Everyone was welcomed to the meeting. P. Kent introduced Craig Newell as her replacement as the MDOT, Asset Management and Planning Division Administrator, due to her retirement on April 30, 2019.

**2. Public Comments on Non-Agenda Items:**

None

**3. Additions or Deletions of Agenda Items:**

None

**4. Consent Agenda (Action Item):**

**4.1. - Approval of the March 21, 2019 Meeting Minutes (Attachment 1)**

**Motion:** A. Halbeisen made a motion to approve the March 21, 2019 meeting minutes with the addition of under #7, adding the word “antidote;” K. Cooper seconded the seconded the motion. The motion was approved by all members present with the amendments.

## **5. Update Items:**

### **5.1. - 2018 Michigan Roads and Bridges Annual Report – R. Curtis/ R. Belknap**

R Belknap shared with the Committee changes to the bridge and culvert elements for the 2018 Roads and Bridges Annual Report. The Committee made a few formatting changes and requested changes to the graphics. Dave Jennett will work with MDOT Graphics Design Division to add the new graphics to the report.

#### **5.1.1. – Bridge Condition Reporting – R. Curtis**

R. Curtis reviewed the Bridge Conditions on pages 27 – 41 of the draft annual report with the Committee. The Committee made several changes as noted by R. Belknap and P. Kent. The Committee would like the entire paragraph regarding Transportation Performance Measures (TPM) removed from the report.

**Action Item:** R. Belknap and P. Kent will give the changes from the Committee to D. Jennett to correct in the annual report.

#### **5.2. – Data Requests – R. Belknap**

##### **5.2.1. – Southeast Michigan Council of Governments (Attachment 2) – R. Belknap**

An email was received on March 26, 2019, from SEMCOG requesting an annual snapshot of the statewide bridge database. They want to make sure they have data that is consistent with what's on their website and what's on our dashboards. Because of how the software displays the data in the dashboards, it would require TAMC to do several searches and they would end up sending SEMCOG several searches instead of just one data search. The data SEMCOG is requesting is not available in one area nor in the format they want and would require a lot of effort for support staff to fulfill their request. MDOT has snapshots in their database but TAMC snapshots will not help. R. Curtis could send them the reports that MDOT does, it will only give the data and not in the format they requested by item numbers and names. TAMC is not set up to store the type of data that SEMCOG is requesting. MDOT has this data in a submittal file that they send to Federal Highway Administration. R. Curtis will contact SEMCOG and offer them the National Bridge Inventory (NBI) files, which are now readily available and contains the majority of the information they are requesting. In future, SEMCOG can get this information directly from the NBI annually, if desired.

**Action Item:** R. Curtis will contact SEMCOG and direct them to the NBI files to get the data that they have requested.

##### **5.2.2. – Detroit Free Press**

The Detroit Free Press will be running a series of articles on Michigan bridges. They have requested a list of Michigan bridges by investment breakdown by agency and ownership. The first release in the series will go out after the annual report, which is released on May 2, 2019.

### **5.3. – Work Program: Target Costs/Priorities by April – P. Kent (Attachment 3)**

P. Kent reviewed the work program that was shared with the Committee. She will add a Bridge and Pavement Data Warehouse to the list of tasks to be reviewed at the Strategic Planning Session in June. R. Belknap will use the work program that P. Kent has provided and add the new priority tasks and forwarded tasks onto a new work program broke out by each TAMC Committee. Each task will show what support staff (MTU, CSS, or both) will assist with the effort, as well as the budget necessary to complete the task. If there are other tasks that need to be added to the work program for the Strategic Planning Session, they must be sent to R. Belknap and P. Kent by end of April.

### **5.4. – TAMC Culvert Pilot Project – R. Belknap (Attachment 4)**

T. Colling and C. Gilbertson submitted a white paper regarding the Culvert Pilot Project, “Suggested Next Steps for Culvert Asset Management,” dated April 24, 2019, that will be used to create the online resource and program. It is an outline of all the steps for culvert data collection and training with cost estimates. They are also including the Water Asset Management Council (WAMC) in these efforts. WAMC is currently creating their template, which relates to the storm water collection systems. B. Vilmont will bring this up at the next WAMC meeting. R. Belknap shared a draft Culvert Pilot dashboard and interactive map example that he created.

There is currently a TAMC (Roadsoft) rating system, a 1991 National Rating System, and MDOT rating system. AASHTO is also developing their own rating system that is more in-line to the bridge rating system. As long as there is a different crosswalk between all of these different systems, we could use these. A subgroup may need to be created to see how these systems mesh together. TAMC needs to decide what reporting metric they want to report on. Just poor? Or, good, fair, poor? TAMC needs to collect data that will be useful to agencies, such as how many culverts agencies currently have, what condition are they in, and the culvert replacement or repair costs. The subgroup will include the TAMC Bridge and Data Committees, who will be tasked to determine what data should be collected and how it will be housed in Roadsoft and the IRT. MTU’s white paper will be used for guidance, as it has a complete breakdown of important information from the 2018 Culvert Pilot Program. The Committee requested R. Belknap send an email to the Bridge and Data Committee chairs requesting names of who will be part of the Culvert Subgroup, and also contact WAMC to make them aware of this effort. MTU and CSS will also need to be involved in the subgroup.

Public Act 325 mandates that local road agencies with 100 miles or more of certified roadway must submit an asset management plan, and part of that plan must provide culvert information to TAMC. The subgroup will be tasked with determining what TAMC should request agencies supply to them regarding their culverts. In past culvert discussions, the Michigan Department of Natural Resources (DNR) informed TAMC Bridge Committee that they house a culvert database, and they would be willing to share that database information with TAMC. Data sharing with DNR will encourage collaboration and save

money. TAMC may want to use some or all of the same fields that DNR is using. C. Gilbertson will follow up with DNR regarding sharing culvert data. Other agencies such as, county drain offices and private agencies may also have culvert data that they may be willing to share with TAMC. Joanna Johnson, TAMC Chair, will be holding a conference call with TAMC committee chairs to discuss the June 5, 2019 Strategic Planning Session. R. Curtis will inform the chair of the culvert subgroup and data sharing efforts at that time.

**Action Item:** R. Belknap will send an email to Bridge and Data Committee chairs requesting names for the Culvert Subgroup. He will also contact WAMC to make them aware of this effort.

**Action Item:** C. Gilbertson will follow up with DNR regarding sharing culvert data.

**Action Item:** R. Curtis will inform J. Johnson of the Culvert Subgroup and data sharing efforts with DNR and other agencies at the next Strategic Planning Session telephone conference with TAMC Committee chairs.

#### **6. Public Comments:**

None

#### **7. Member Comments:**

None

#### **8. Adjournment:**

A motion was made by A. Halbeisen to adjourn the meeting; B. Wieferrich seconded the motion. The motion was approved by all members present. The meeting adjourned at 4:13 p.m. The next meeting will be held July 25, 2019, at 2:00 p.m., MDOT Aeronautics Building, 2<sup>nd</sup> Floor Commission Conference Room, Lansing.

### **TAMC FREQUENTLY USED ACRONYMS:**

<b>AASHTO</b>	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
<b>ACE</b>	ADMINISTRATION, COMMUNICATION, AND EDUCATION (TAMC COMMITTEE)
<b>ACT-51</b>	PUBLIC ACT 51 OF 1951-DEFINITION: A CLASSIFICATION SYTEM DESIGNED TO DISTRIBUTE MICHIGAN'S ACT 51 FUNDS. A ROADWAY MUST BE CLASSIFIED ON THE ACT 51 LIST TO RECEIVE STATE MONEY.
<b>ADA</b>	ADULTS WITH DISABILITIES ACT
<b>ADARS</b>	ACT 51 DISTRIBUTION AND REPORTING SYSTEM
<b>BTP</b>	BUREAU OF TRANSPORTATION PLANNING (MDOT)
<b>CFM</b>	COUNCIL ON FUTURE MOBILITY
<b>CPM</b>	CAPITAL PREVENTATIVE MAINTENANCE

<b>CRA</b>	COUNTY ROAD ASSOCIATION (OF MICHIGAN)
<b>CSD</b>	CONTRACT SERVICES DIVISION (MDOT)
<b>CSS</b>	CENTER FOR SHARED SOLUTIONS
<b>DI</b>	DISTRESS INDEX
<b>ESC</b>	EXTENDED SERVICE LIFE
<b>FAST</b>	FIXING AMERICA'S SURFACE TRANSPORTATION ACT
<b>FHWA</b>	FEDERAL HIGHWAY ADMINISTRATION
<b>FOD</b>	FINANCIAL OPERATIONS DIVISION (MDOT)
<b>FY</b>	FISCAL YEAR
<b>GLS REGION V</b>	GENESEE-LAPEER-SHIAWASSEE REGION V PLANNING AND DEVELOPMENT COMMISSION
<b>GVMC</b>	GRAND VALLEY METRO COUNCIL
<b>HPMS</b>	HIGHWAY PERFORMANCE MONITORING SYSTEM
<b>IBR</b>	INVENTORY BASED RATING
<b>IRI</b>	INTERNATIONAL ROUGHNESS INDEX
<b>IRT</b>	INVESTMENT REPORTING TOOL
<b>KATS</b>	KALAMAZOO AREA TRANSPORTATION STUDY
<b>KCRC</b>	KENT COUNTY ROAD COMMISSION
<b>LDC</b>	LAPTOP DATA COLLECTORS
<b>LTAP</b>	LOCAL TECHNICAL ASSISTANCE PROGRAM
<b>MAC</b>	MICHIGAN ASSOCIATION OF COUNTIES
<b>MAP-21</b>	MOVING AHEAD FOR PROGRESS IN THE 21 <sup>ST</sup> CENTURY (ACT)
<b>MAR</b>	MICHIGAN ASSOCIATION OF REGIONS
<b>MDOT</b>	MICHIGAN DEPARTMENT OF TRANSPORTATION
<b>MDTMB</b>	MICHIGAN DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET
<b>MIC</b>	MICHIGAN INFRASTRUCTURE COMMISSION
<b>MITA</b>	MICHIGAN INFRASTRUCTURE AND TRANSPORTATION ASSOCIATION
<b>MML</b>	MICHIGAN MUNICIPAL LEAGUE

<b>MPO</b>	METROPOLITAN PLANNING ORGANIZATION
<b>MTA</b>	MICHIGAN TOWNSHIPS ASSOCIATION
<b>MTF</b>	MICHIGAN TRANSPORTATION FUNDS
<b>MTPA</b>	MICHIGAN TRANSPORTATION PLANNING ASSOCIATION
<b>MTU</b>	MICHIGAN TECHNOLOGICAL UNIVERSITY
<b>NBI</b>	NATIONAL BRIDGE INVENTORY
<b>NBIS</b>	NATIONAL BRIDGE INSPECTION STANDARDS
<b>NFA</b>	NON-FEDERAL AID
<b>NFC</b>	NATIONAL FUNCTIONAL CLASSIFICATION
<b>NHS</b>	NATIONAL HIGHWAY SYSTEM
<b>PASER</b>	PAVEMENT SURFACE EVALUATION AND RATING
<b>PNFA</b>	PAVED NON-FEDERAL AID
<b>PWA</b>	PUBLIC WORKS ASSOCIATION
<b>QA/QC</b>	QUALITY ASSURANCE/QUALITY CONTROL
<b>RBI</b>	ROAD BASED INVENTORY
<b>RCKC</b>	ROAD COMMISSION OF KALAMAZOO COUNTY
<b>ROW</b>	RIGHT-OF-WAY
<b>RPA</b>	REGIONAL PLANNING AGENCY
<b>RPO</b>	REGIONAL PLANNING ORGANIZATION
<b>SEMCOG</b>	SOUTHEAST MICHIGAN COUNCIL OF GOVERNMENTS
<b>STC</b>	STATE TRANSPORTATION COMMISSION
<b>STP</b>	STATE TRANSPORTATION PROGRAM
<b>TAMC</b>	TRANSPORTATION ASSET MANAGEMENT COUNCIL
<b>TAMCSD</b>	TRANSPORTATION ASSET MANAGEMENT COUNCIL SUPPORT DIVISION
<b>TAMP</b>	TRANSPORTATION ASSET MANAGEMENT PLAN
<b>TPM</b>	TRANSPORTATION PERFORMANCE MEASURES
<b>UWP</b>	UNIFIED WORK PROGRAM

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